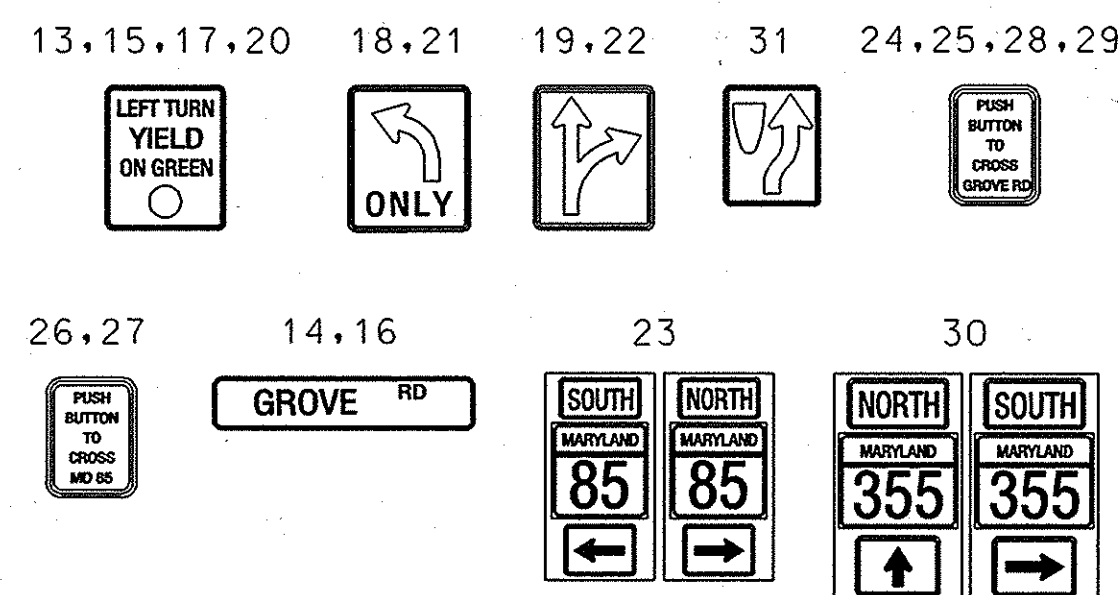
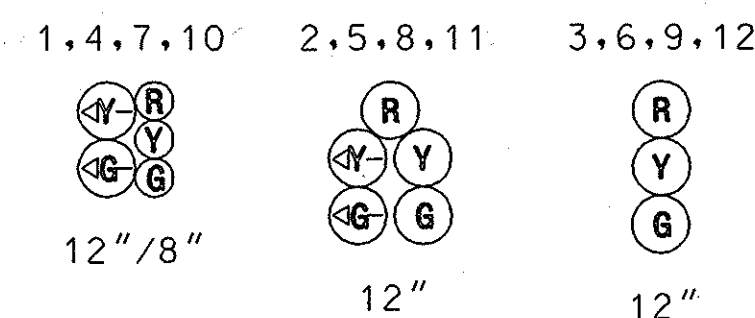


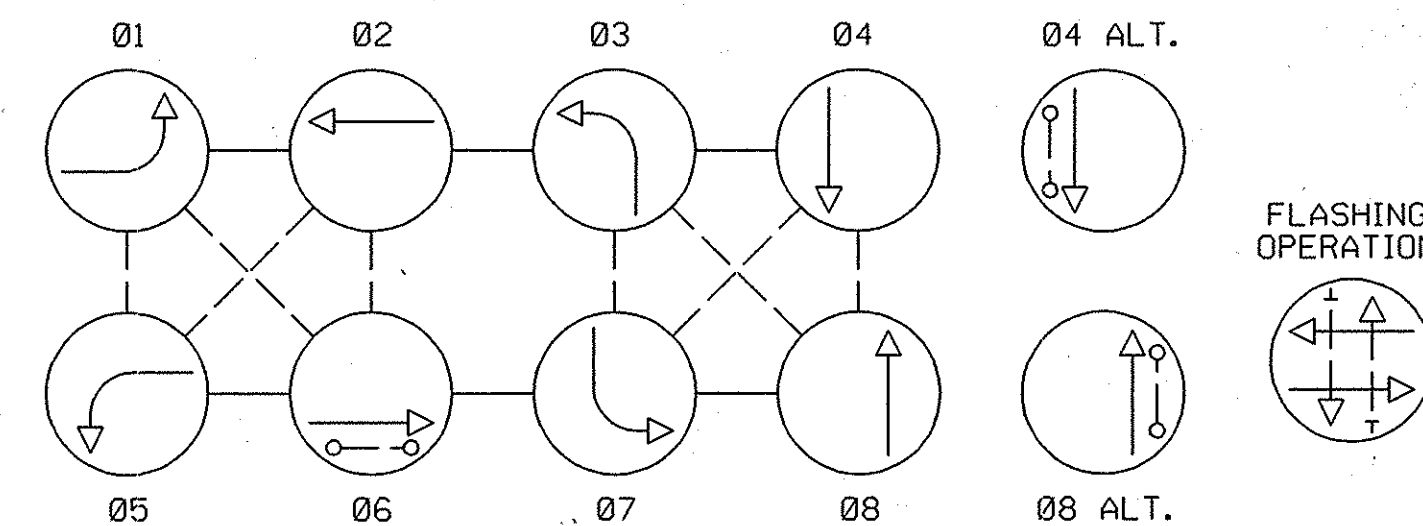
#### EXISTING SIGNS



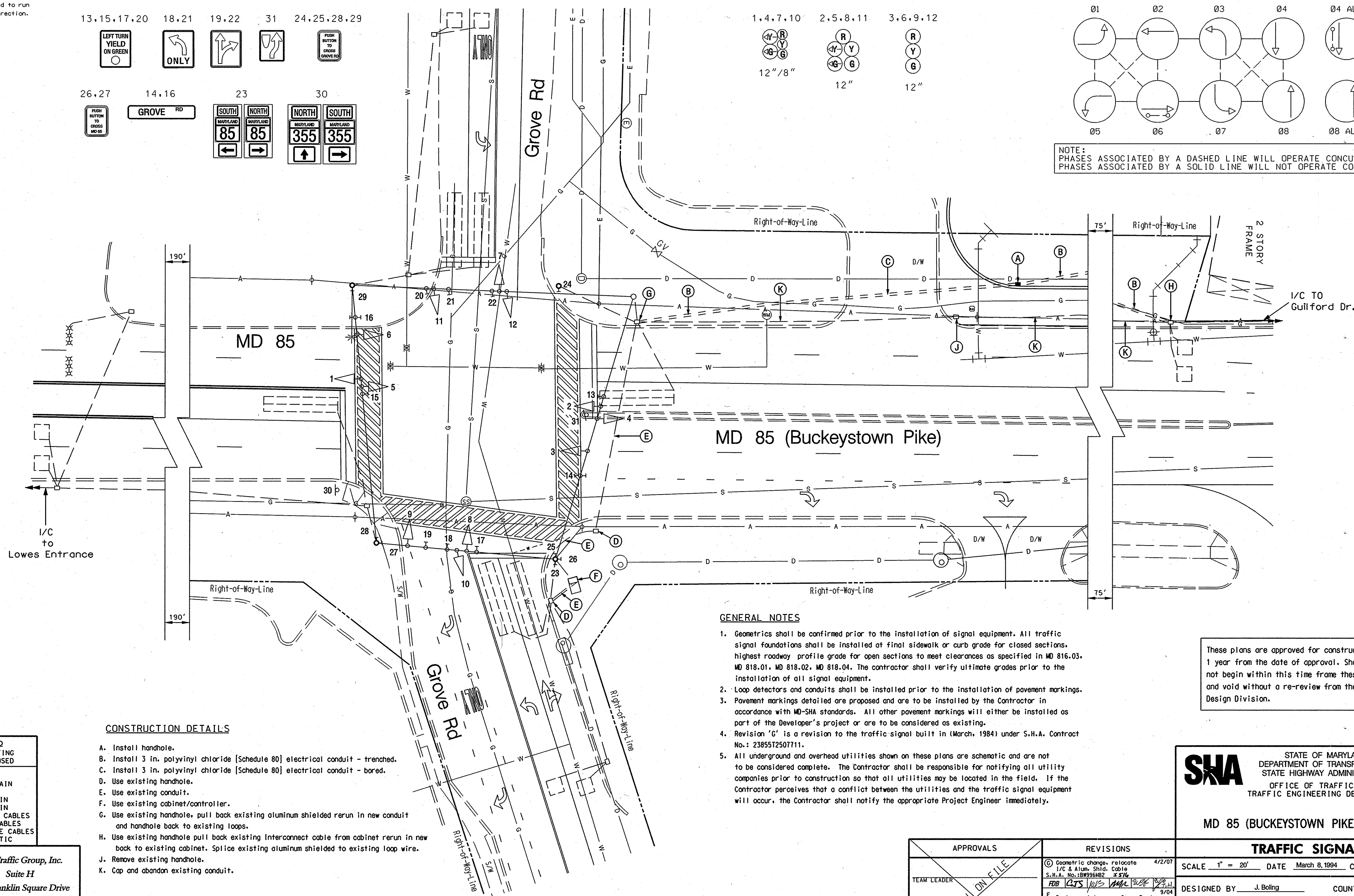
#### EXISTING SIGNALS



#### NEMA PHASING



NOTE:  
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.  
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



#### GENERAL NOTES

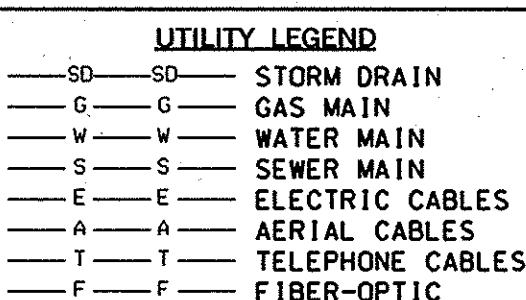
- Geometrics shall be confirmed prior to the installation of signal equipment. All traffic signal foundations shall be installed at final sidewalk or curb grade for closed sections, highest roadway profile grade for open sections to meet clearances as specified in MD 816.03, MD 818.01, MD 818.02, MD 818.04. The contractor shall verify ultimate grades prior to the installation of all signal equipment.
- Loop detectors and conduits shall be installed prior to the installation of pavement markings.
- Pavement markings detailed are proposed and are to be installed by the Contractor in accordance with MD-SHA standards. All other pavement markings will either be installed as part of the Developer's project or are to be considered as existing.
- Revision 'G' is a revision to the traffic signal built in (March, 1984) under S.H.A. Contract No.: 238551250711.
- All underground and overhead utilities shown on these plans are schematic and are not to be considered complete. The Contractor shall be responsible for notifying all utility companies prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal equipment will occur, the Contractor shall notify the appropriate Project Engineer immediately.

These plans are approved for construction for a period 1 year from the date of approval. Should construction not begin within this time frame these plans shall be null and void without a re-review from the Traffic Engineering Design Division.

#### CONSTRUCTION DETAILS

- Install handhole.
- Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
- Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
- Use existing handhole.
- Use existing conduit.
- Use existing cabinet/controller.
- Use existing handhole, pull back existing aluminum shielded rerun in new conduit and handhole back to existing loops.
- Use existing handhole pull back existing Interconnect cable from cabinet rerun in new back to existing cabinet. Splice existing aluminum shielded to existing loop wire.
- Remove existing handhole.
- Cap and abandon existing conduit.

#### GEOMETRIC LEGEND



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APPROVALS		REVISIONS		TRAFFIC SIGNAL PLAN	
TEAM LEADER		① Geometric change, relocate 4/2/07		SCALE 1" = 20' DATE March 8, 1994 CONTRACT NO. 238551250711	
ASST. DIV. CHIEF		S.H.A. No.: BW996182 2/2/04		DESIGNED BY J. Boling COUNTY Frederick	
DIVISION CHIEF		FDB CTS 1/1/05 1/1/05 1/1/05 1/1/05		DRAWN BY D. Doda LOGMILE 0.00507.64	
OFFICE DIRECTOR		S.H.A. No.: BW996182 2/2/04		CHECKED BY T.I.M.S. NO. I 516	
		F Replacement loops on Groves Road		F.A.P. NO. TOD NO.	
		S.H.A. No.: BW996182 2/2/04		TS NO. 19546 DRAWING - OF SHEET NO. 1 OF 2	
		E Install E/P left turn phasing for East/West Groves Road			
		S.H.A. No.: BW996182 2/2/04			

PLOTTED: Monday, April 02, 2007 AT 01:50 PM  
FILE: C:\Users\jones\Documents\DESIGN\03-001\_md85-groves rd.dgn